

Amendment  
Serial No. 10/663,661  
Attorney Docket No. 031163

**AMENDMENTS TO THE CLAIMS:**

The following listing of claims replaces all prior versions of claims in the application.

1. **(Currently Amended)** A transmission line comprising:
  - a transmission line substrate;
  - a signal line provided on the transmission line substrate; and
  - a first ground pattern that is provided on the transmission line substrate and is located between the transmission line substrate and a metal wire used to connect the signal line to a component,  
wherein said component is co-planar with said transmission line substrate and does not directly come in contact with said transmission line substrate, and both said component and said transmission line substrate are provided on a common metal frame.
2. **(Original)** The transmission line as claimed in claim 1, wherein the first ground pattern is located between the signal line and the component.
3. **(Original)** The transmission line as claimed in claim 1, further comprising a second ground pattern that is formed on the transmission line substrate and is parallel to the signal line, wherein the first ground pattern and the second ground pattern are integrally formed.

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4. **(Original)** The transmission line as claimed in claim 3, wherein the first ground pattern and the second ground pattern are integrally formed and have one of an L shape and a horseshoe shape.

5. **(Original)** The transmission line as claimed in claim 3, wherein:  
the signal line has an arc-shaped end facing the first ground pattern; and  
the first ground pattern and the second ground pattern are integrally formed so as to have an arc-shaped portion that is equally spaced apart from the arc-shaped end.

6. **(Original)** The transmission line as claimed in claim 1, further comprising a second ground pattern formed on a surface of the transmission line substrate opposite to the surface on which the signal line is formed, wherein the first ground pattern is connected to the second ground pattern via a through hole formed in the transmission line substrate.

7. **(Original)** The transmission line as claimed in claim 6, wherein the first ground pattern has a portion that surrounds an end of the signal line and has one of an L shape and a horseshoe shape.

**8-11. (Cancelled).**

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12. **(Currently Amended)** A device comprising:

    a transmission line including a transmission line substrate and a signal line provided on the transmission line substrate;

    a component;

    a metal wire connecting the signal line to the component; and

    a first ground pattern that is provided on the transmission line substrate and is located between the transmission line substrate and the metal wire,

wherein said component is co-planar with said transmission line substrate and does not directly come in contact with said transmission line substrate, and both said component and said transmission line substrate are provided on a common metal frame.

13. **(Currently Amended)** The apparatus device as claimed in claim 12, wherein the first ground pattern is provided between the signal line and the component.

14. **(Currently Amended)** The apparatus device as claimed in claim 12, further comprising a second ground pattern that is provided on the transmission line substrate and is parallel to the signal line, wherein the first ground pattern and the second ground pattern are integrally formed.

15. **(Currently Amended)** The apparatus device as claimed in claim 14, wherein the first ground pattern and the second ground pattern are integrally formed so as to have one of an L shape and a horseshoe shape.

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16. **(Currently Amended)** The apparatus device as claimed in claim 14, wherein:

the signal line has an arc-shaped end facing the first ground pattern; and

the first ground pattern and the second ground pattern are integrally formed so as to have an arc-shaped portion that is equally spaced apart from the arc-shaped end.

17. **(Currently Amended)** The apparatus device as claimed in claim 14, wherein the second ground pattern is connected to ground via a through hole formed in the transmission line substrate.

18. **(Currently Amended)** The apparatus device as claimed in claim 12, further comprising a second ground pattern formed on a surface of the transmission line substrate opposite to the surface on which the signal line is formed, wherein the first ground pattern is connected to the second ground pattern via a through hole formed in the transmission line substrate.

19. **(Currently Amended)** The apparatus device as claimed in claim 18, wherein the first ground pattern has a portion that surrounds an end of the signal line and has one of an L shape and a horseshoe shape.

20-24. **(Cancelled)**